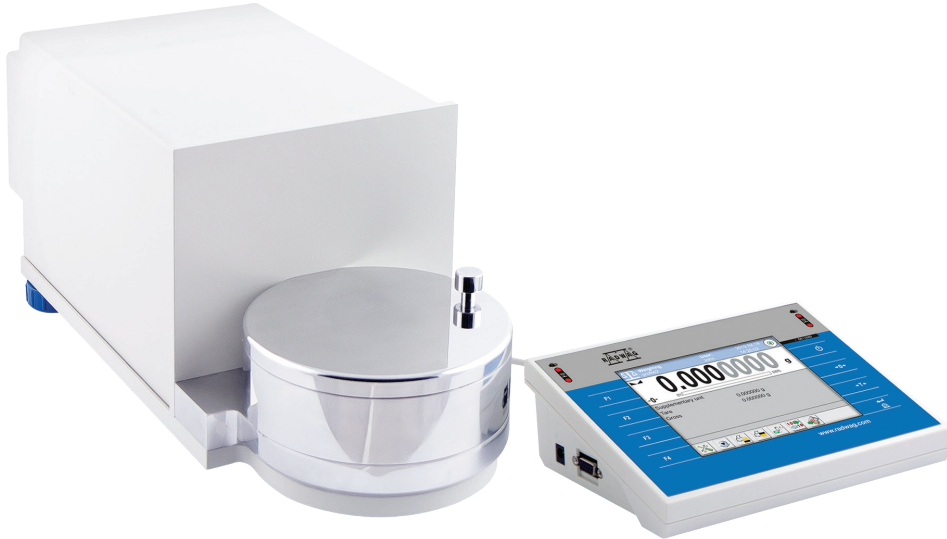


UYA 4Y.F Ultra-Microbalances

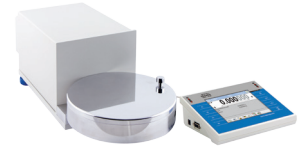
MYA 4Y.F Microbalances



Excellent precision and accuracy of determining filters absorption capabilities during differential mass measurement



UYA 4Y.F



MYA 4Y.F1



Filters mass measurement

Functions

- | | | | | |
|----------------|------------------|-----------------------|--------------------------------|-------------------------|
| Parts counting | Percent weighing | Differential weighing | GLP procedures | Air buoyancy correction |
| Dosing | Statistics | Filters weighing | Proximity sensors | Multilingual menu |
| Checkweighing | Animal weighing | Autotest | Ambient conditions measurement | Replaceable unit |
| Formulations | | | | |

Features

The Most Precise Control Over Filters Absorption Capabilities

Professional highly hermetic weighing chamber and an open-work weighing pan of the MYA 4Y.F microbalance both enable accurate measurements of filters of various types and dimensions.

Significantly Fast Measurement

Powerful processor offers new possibilities of operation assuring short indication stabilization time and repeatability.

Intuitive Operation and Touch Screen

5.7" colour touch screen enables intuitive operation and easy access to numerous applications and functions of the weighing instrument.

Automatic Level Control

Leveling system facilitates adjustment of device level, it also uninterruptedly controls the level state, and informs about potential level deviations.

Touch-Free Operation

Two programmable proximity sensors can be assigned with any function or application. The given function when assigned is both run and operated touch-free.

Numerous Options of Data Management

Extensive storage capacity enables record of all measurement data in a form of complex reports and statistical graphs.

ALIBI Memory

Data security and protection is provided by ALIBI memory which automatically archives all carried out measurements.

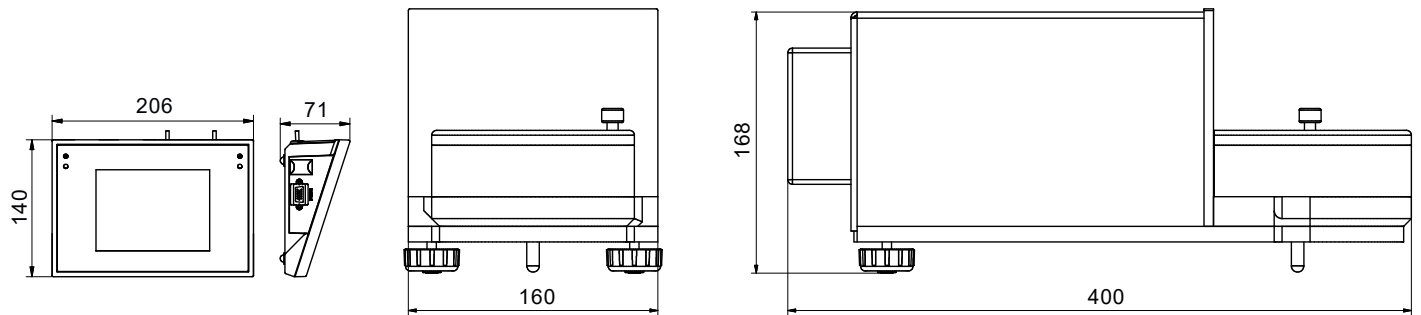
Technical Specifications

| | UYA 2.4Y.F | MYA 5.4Y.F | MYA 5.4Y.F1 |
|-----------------------------------|--|--|--|
| Maximum capacity [Max] | 2.1 g | 5.1 g | 5.1 g |
| Minimum load | 10 µg | 100 µg | 100 µg |
| Readability [d] | 0.1 µg | 1 µg | 1 µg |
| Verification scale interval [e] | 1 mg | 1 mg | 1 mg |
| Tare range | -2.1 g | -5.1 g | -5.1 g |
| Repeatability* | 0.25 µg (Rt ≤ 0.2 g) 0.4 µg (0.2 g < Rt ≤ 2 g) | 1 µg (Rt ≤ 1 g) 1.6 µg (1 g < Rt ≤ 5g) | 1 µg (Rt ≤ 1g) 1.6 µg (1g < Rt ≤ 5g) |
| Linearity | ±1.5 µg | ±5 µg | ±5 µg |
| Eccentric load deviation | 1.5 µg | 5 µg | 5 µg |
| Sensitivity temperature drift** | $1 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$ | $1 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$ | $1 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$ |
| Sensitivity time drift | $1 \times 10^{-6} / \text{Year} \times \text{Rt}$ | $1 \times 10^{-6} / \text{Year} \times \text{Rt}$ | $1 \times 10^{-6} / \text{Year} \times \text{Rt}$ |
| Minimum weight (U=1%, k=2) | 0.05 mg | 0.2 mg | 0.2 mg |
| Minimum weight (USP) | 0.5 mg | 2 mg | 2 mg |
| Stabilization time | 10 ÷ 20 s | max 8 s | max 8 s |
| Adjustment | internal | internal | internal |
| Verification | Yes | Yes | Yes |
| OIML Class | I | I | I |
| Indicator fastening | 35 cm cable, wireless connection (option)*** | 35 cm cable, wireless connection (option)*** | 35 cm cable, wireless connection (option)*** |
| Display | 5.7" colour, resistive touch screen | 5.7" colour, resistive touch screen | 5.7" colour, resistive touch screen |
| Keypad | 8 keys | 8 keys | 8 keys |
| Protection class | IP 43 | IP 43 | IP 43 |
| Databases | 19 | 19 | 19 |
| Touch-free operation | 2 programmable proximity sensors | 2 programmable proximity sensors | 2 programmable proximity sensors |
| USB-A | 2 | 2 | 2 |
| Ethernet | 10 / 100 Mbit | 10 / 100 Mbit | 10 / 100 Mbit |
| RS 232 | 2 | 2 | 2 |
| Wireless connection | 802.11 b/g/n | 802.11 b/g/n | 802.11 b/g/n |
| IN/OUT | 4 × IN, 4 × OUT | 4 × IN, 4 × OUT | 4 × IN, 4 × OUT |
| Power supply | 13.5 ÷ 16 V DC | 13.5 ÷ 16 V DC | 13.5 ÷ 16 V DC |
| Power consumption | 10 W | 10 W | 10 W |
| Operating temperature | +10 ÷ +40 °C | +10 ÷ +40 °C | +10 ÷ +40 °C |
| Atmospheric humidity**** | 40 ÷ 80% | 40 ÷ 80% | 40 ÷ 80% |
| Transport and storage temperature | -10 ÷ +50 °C | -20 ÷ +50 °C | -20 ÷ +50 °C |
| Weighing pan dimensions | ø 50 mm | ø 100 mm (for filters), ø 26 mm | ø 160 mm (for filters), ø 26 mm |
| Weighing chamber dimensions | ø 118 × 35 mm | ø 118 × 35 mm | ø 168 × 35 mm |
| Weighing device dimensions | 400 × 160 × 168 mm | 400 × 160 × 168 mm | 450 × 180 × 168 mm |
| Net weight | 9.1 kg | 9.1 kg | 9.1 kg |
| Gross weight | 16.6 kg | 16.6 kg | 16.6 kg |
| Packaging dimensions | 660 × 660 × 455 mm | 660 × 660 × 455 mm | 660 × 660 × 455 mm |

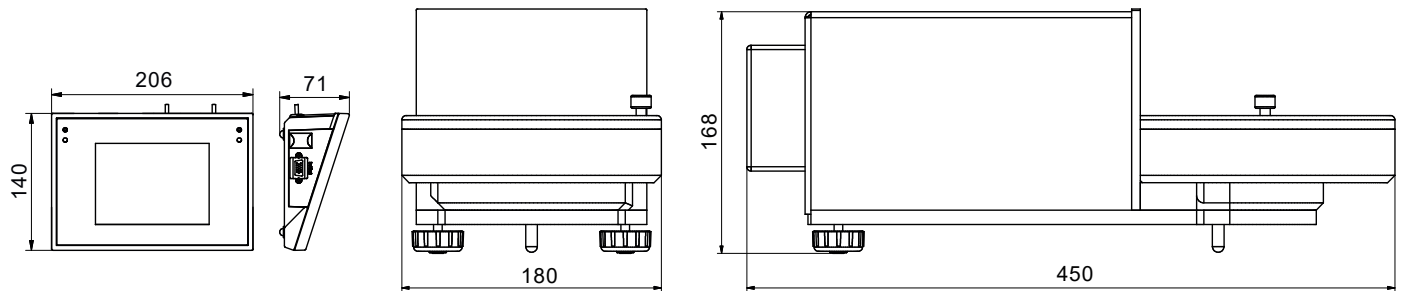
- Rt net weight
 * repeatability is expressed as a standard deviation from 10 weighing cycles
 ** parameter determined in the following temperature range: +15 ÷ +35 °C
 *** optional solution on purchase order
 **** non-condensing conditions

Values of parameters provided in Technical Specifications table have been determined under stable laboratory conditions. Due to ambient conditions impact or/and balance setup, the above parameters may vary for environments other than laboratory.

Dimensions



F version



F1 version

Accessories

Weighing Tables

- granite antivibration table
- antivibration tables for laboratory balances
- professional weighing table

Ambient Conditions

- DJ-05 anti-static ionizer
- THB-Y ambient conditions module

Peripheral Devices

- Epson dot matrix printer
- barcode scanners
- WD-5/3Y LCD display

Cables, Converters

- P0108: RS 232 cable (balance-computer)
- P0167: RS 232 cable (balance-computer)
- P0151: RS 232 cable (balance - Epson printer)

Electrical Accessories

- ZR-02 power supply with battery

Dedicated Software

Label Editor R02

- designing label templates
- sending graphics and fonts to label printers
- printing label templates using connected printers

LabView Driver

- operation of RADWAG balances in LabView environment

R-LAB

- collecting measurements
- carrying out statistical analysis of measurements
- customized graphs and reports

RADWAG Remote Desktop

- remote operation via computer, mobile phone or tablet
- sending text messages
- version for Windows 10 and Android systems